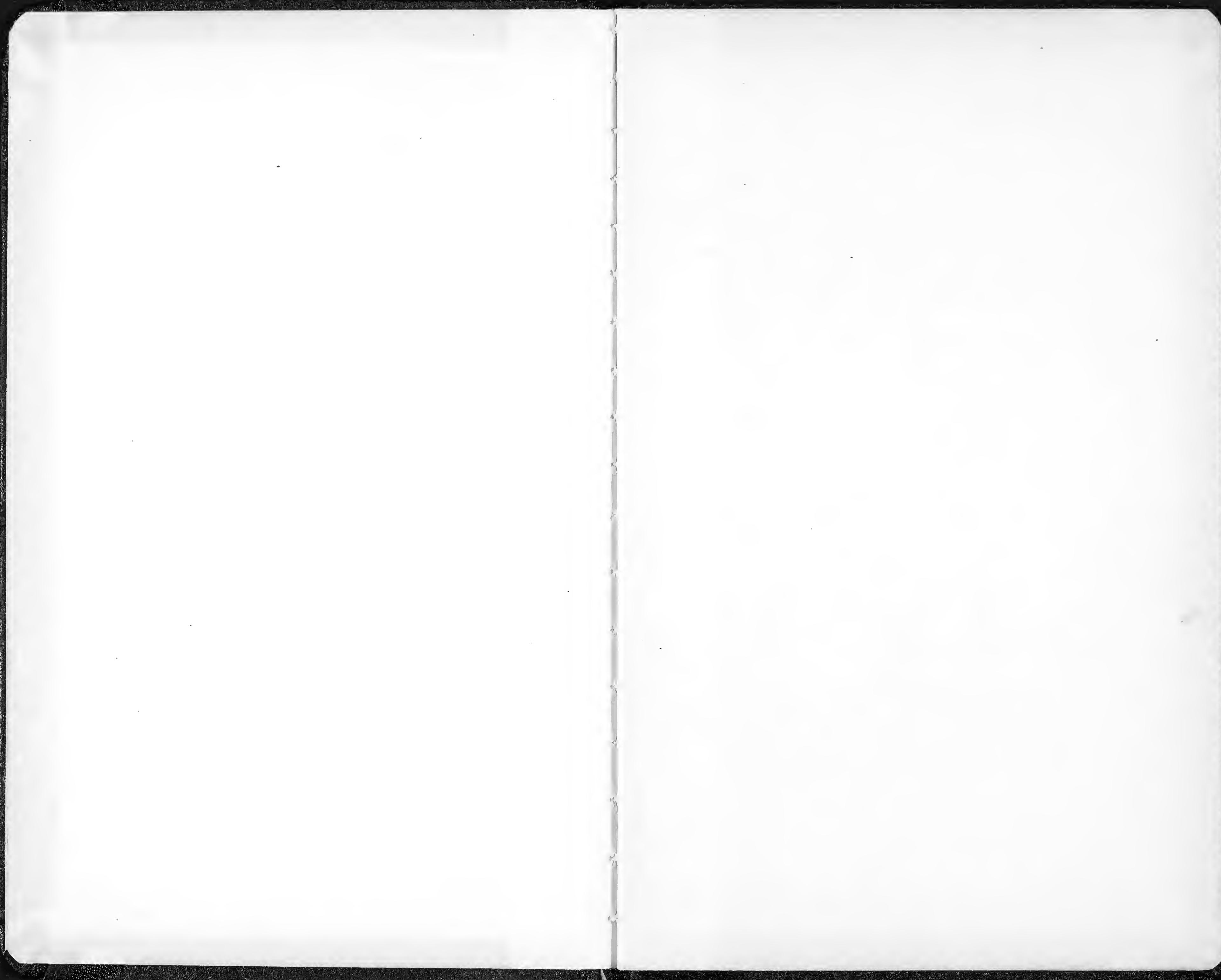


7530-274-5494
FEDERAL SUPPLY SERVICE



RH 442

Col: RPH

Date: April 8, 1977

Location: Twin Cays, the eastern mouth of the mangrove area.

Depth: ~~8' meters feet~~ 2 m

Sediment: Coral clay w. some turtle grass

Gear: NMD

Remarks: *Echinoderes*, *Trachydemis*, & *Pycnophyes* were present.

RH 443

Col: RPH

Date: April 8, 1977

Location: 500 m. west of RH 442

Depth: ~~10 m.~~ 12 m

Sediment: Fine coral mud in turtle grass, outside of mangrove area.

Gear: NMD

Remarks: Few chironomids, a lot of Tanaids as compared w. RH 442, large young clams *Echinoderes*, *Trachydemis* & *Pycnophyes* were present.

RH 444

Col: RPH

Date: April 8, 1977

Location: 1000 m. southwest of RH 442

Sediment: Fine coral mud in turtle grass, outside of mangrove area.

Depth: ~~10-15 cm.~~ 10 cm. A.D.

Gear: HMD

Remarks: Same fauna present as in 443,
however more Kinorhynchs than in 443
Echinoderes, Pyrenophyes, Trachydemus

RH 445

Col: RPH

Date: April 9, 1977

Location: Sand trough in the outer fore-reef area
of the transect across barrier reef at
Carrie Bow Cay, Belize.

Depth: 80 feet ~~100~~ 25 m

Gear: HMD

Sediment: Fine sand

Remarks: Sample poor when compared w. previous
samples (Tanaids, few copepods
small nematodes).

Echinoderes present - very small & a few
Pyrenophyes.

RH 446

Col: RPH

Date: April 10, 1977

Location: Thalassia zone of the lagoon in the transect
across the barrier reef at Carrie Bow
Cay, Belize

Depth: 32 meters

Gear: HMD

Sediment: Mixed sand + shell, some fine sediment
(Halimeta sand)

Remarks: Abundance of Echinoderes, one Semnoderes (?)
poor Kinorhynch sample, sample was small.

RH 447

Col: RPH

Date: April 10, 1977

Location: Sand + rubble zone of the lagoon in the
transect across the barrier reef at Carrie Bow
Cay.

Depth: 3 meters 1.5 m

Sediment: Halimeta sand

Gear: HMD

Remarks

Note: CRC Marine Formula 6-66 No. 06006

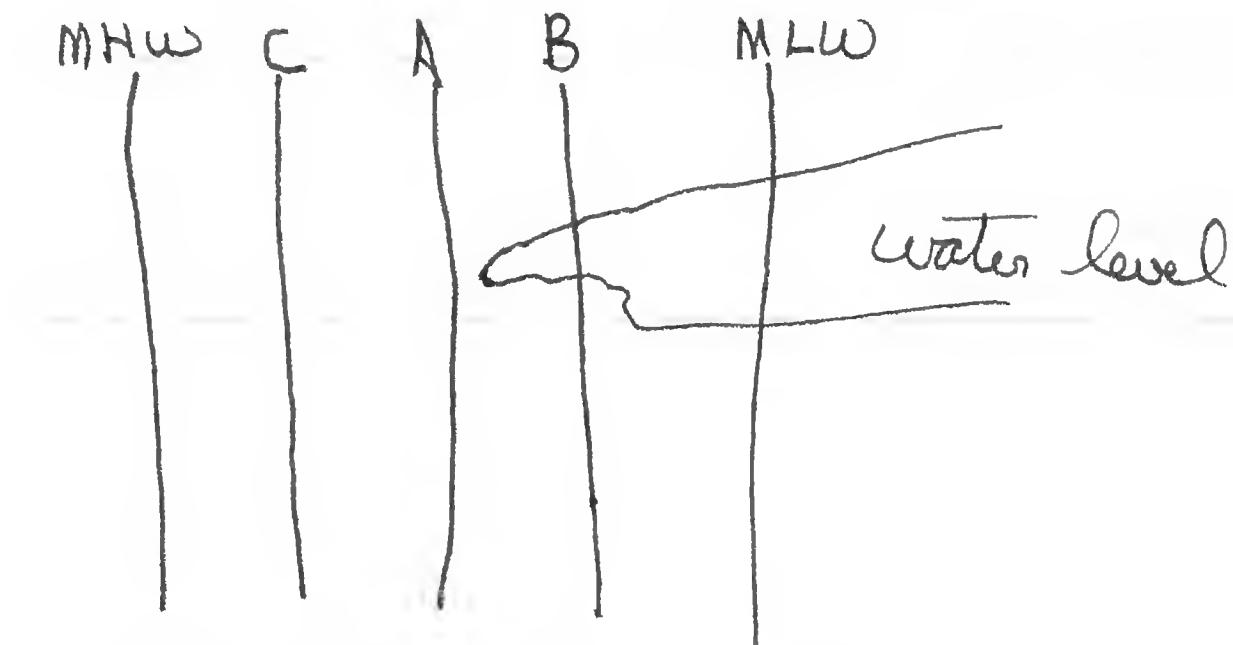
Sta. A - *Thalassia* lagoon
Sta. B - Sand, rubble lagoon
Sta. C - Rubble & pavement back reef
Sta. D - Lower spur & groove zone, inner
for-reef.
Sta. E - Sand trough, outer for-reef.

RH 450

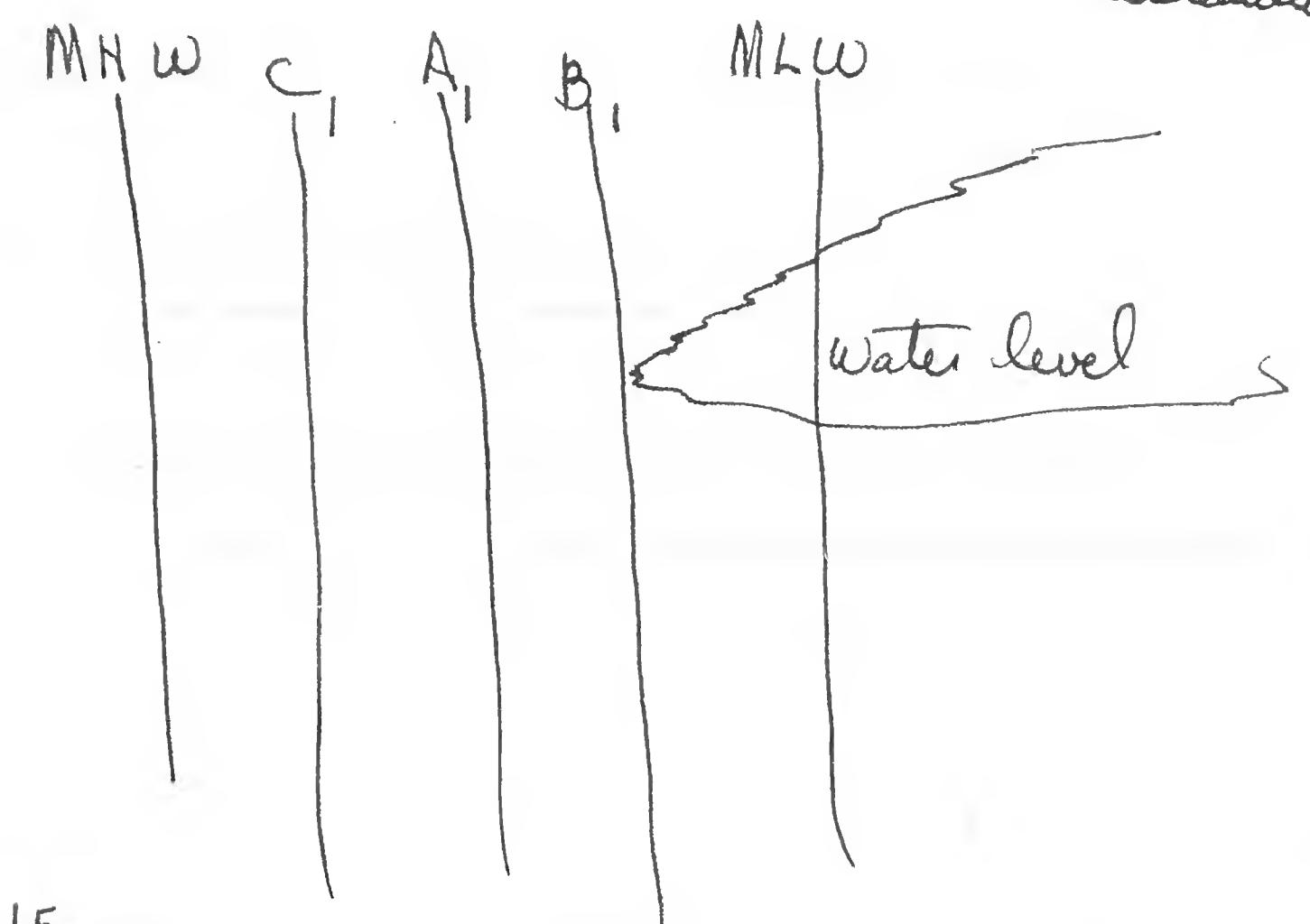
June 29, 1977

Cape Henlopen Beach

10:15 a.m. - intermediate ebb Tide



1:45 p.m. } Tides had just ~~just~~ reached low mark -
1:20 scheduled low tide



1:15 p.m. - ~~samples~~ Sand samples taken at 3 sampling areas. (A_S, B_S, C_S)

Sampling Procedure for A, B, C

June 29, 1977 + A, B, C

- 1) 1st cm layer of ~~the~~ sand was shoveled away.
- 2) Two shovels-full of sand were placed in a bucket.
- 3) Filtered seawater w. 10% ETOH was added to bucket of sand.
- 4) Sand was washed & stirred w. seawater - 10% ETOH mixture - & solution was decanted off & passed thru a mermaid bra.
- 5) Material placed in jars & formalinized.

Sampling procedure for sand samples

A_S, B_S, C_S

Top 3 cm of sand was removed

Glass jar was placed in sand as a coring tube

Sand sample preserved w. formalin.

Principelids

Tel. commu. w. Deano Hopo

2 samples contained mystery beast

6 pm }
6 am } both at intermediate
flood tides
halfway between high & low tide

5th, 6th, 7th cm contained specimens
of principelids

Results:

No. of Pria	Sample
B _S	B _S

A - lot of fauna
(Mysticoraid
Gastropods
Oligochaetes etc)

B_S

